

BAN 27 PESTICIDES

Dr. Narasimha Reddy Donthi

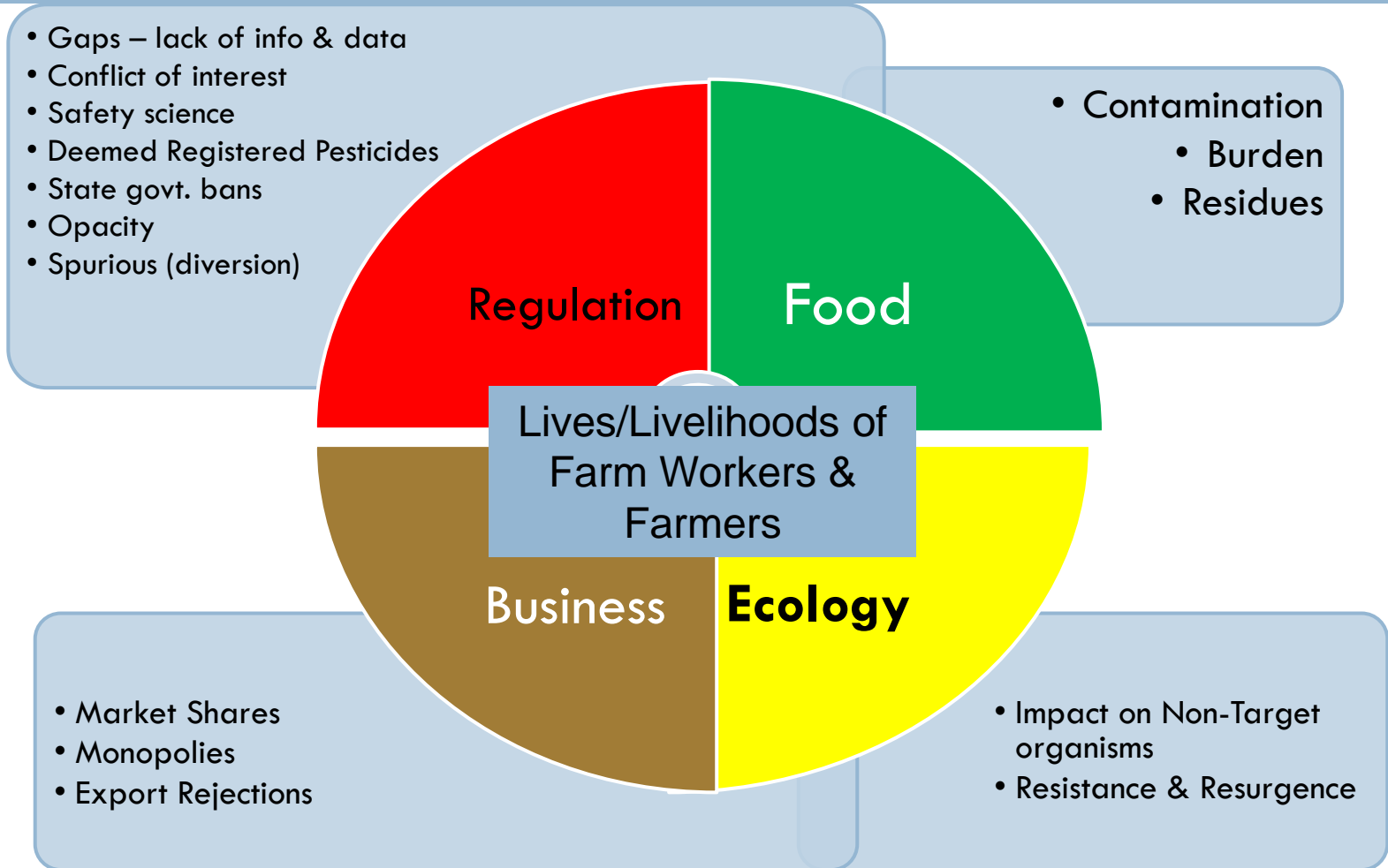
Overview

- 14th May, 2020 dated Draft Notification
 - 27 pesticides listed for ban
 - Comments within a period of 45 days
- 10th June, 2020 dated Addendum to draft notification
 - Manufacture for export purpose only
- Comments period extended to 90 days

Brief Background

- Expert Committee, 8 July 13 – neonicotinoids
- Mandate expanded to 66 pesticides
- Report submitted on 9 Dec 15
- Recommendations approved, 14 Oct 16
- 18/66 pesticides ban order, 8 Aug 18
 - ▣ 12 banned by 1 Jan 18, 6 by 31 Dec 20

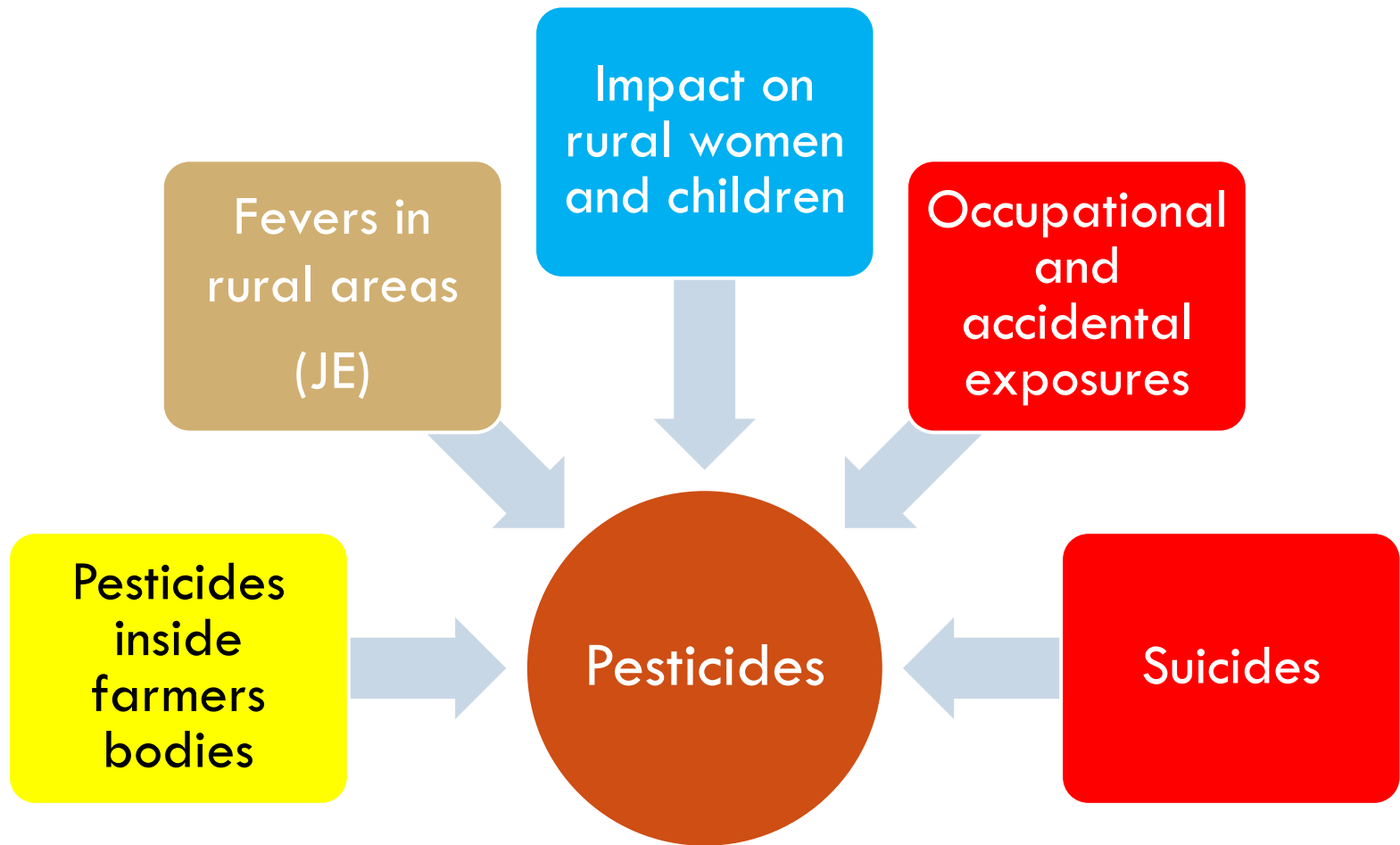
Compelling reasons for Ban



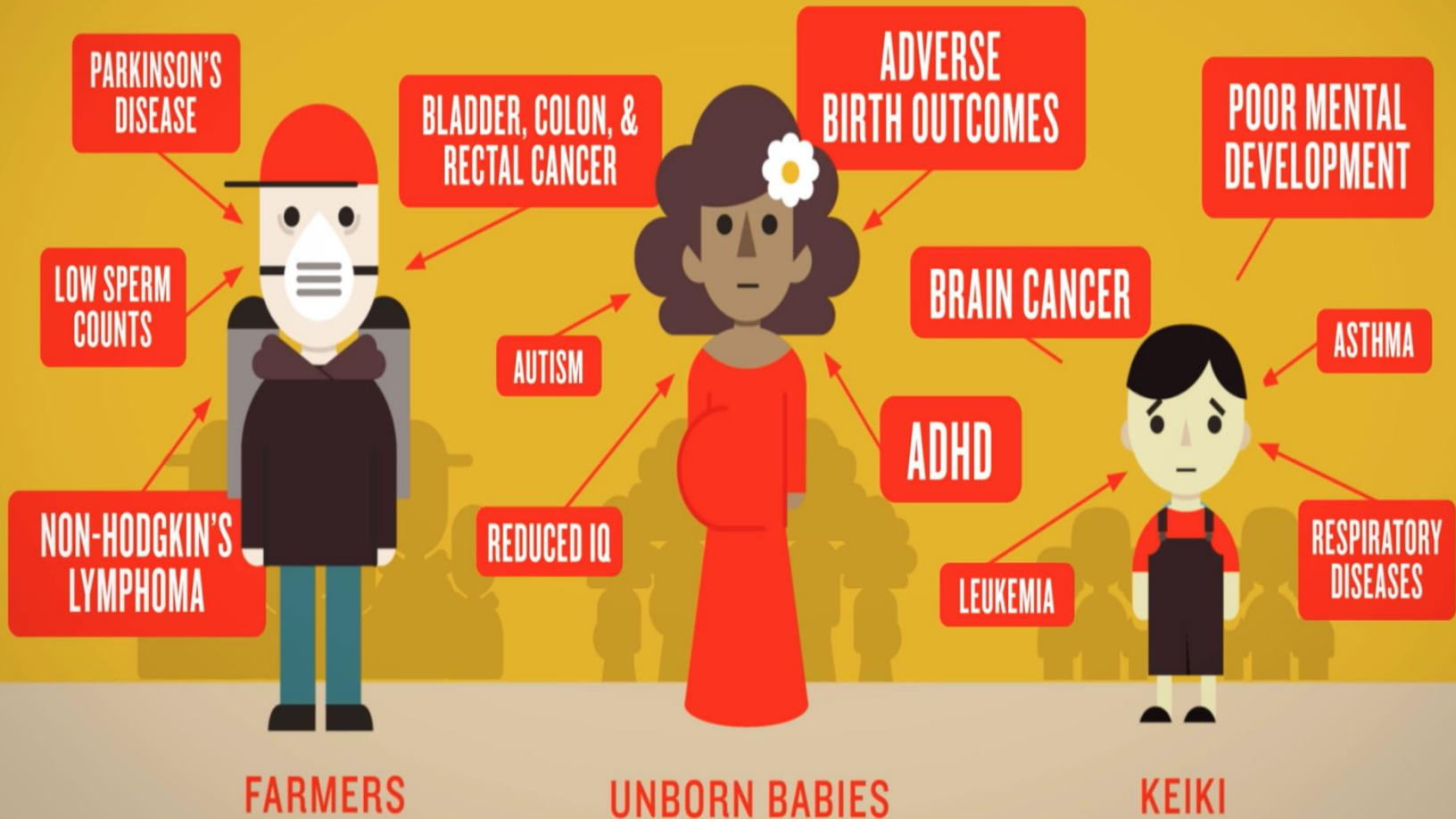
Pesticide Industry

- India is 4th place – after America, Japan and China.
- 2017 value of Rs.33,561 crores
- Growth rate now 12%, earlier 8-10%
- Domination of foreign companies
- Bayer AG, Yara International ASA, BASF, Bayer Crop Science, MakhteshimAgan Industries Ltd, Dow Agro Sciences, Monsanto, Syngenta, Aventis, Agrium etc. Lallemand Inc., ArystaLifeScience (Japan) and Sinofert Holdings Limited (China).

Bad Health..



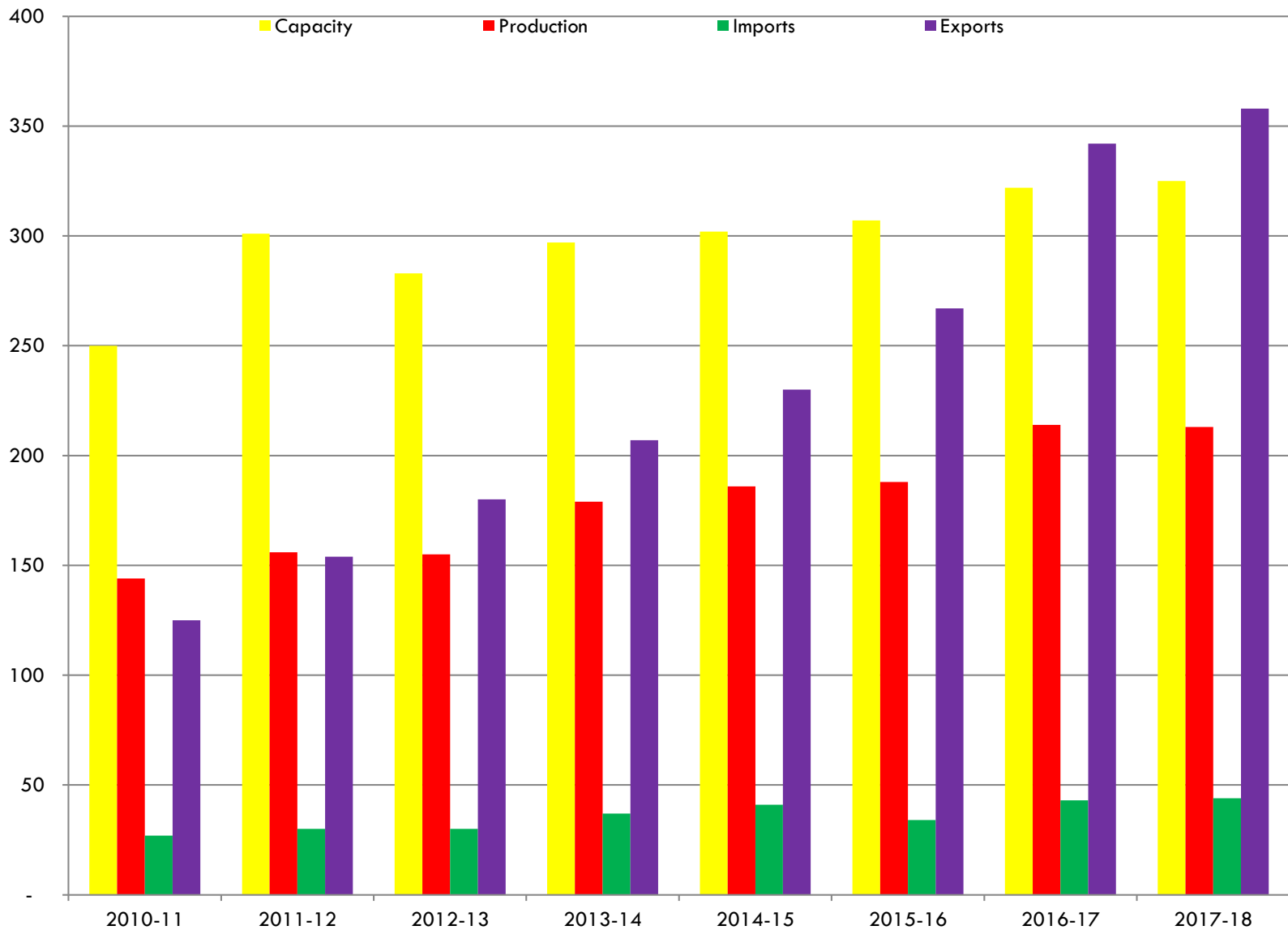
PESTICIDE EXPOSURE



Features to focus

- **Pesticides (Technical Grade)** installed capacity utilisation is **35 %**
- Pesticides (Technical Grade and formulation) are **trade surplus** during 2017-18
- **Export orientation**
 - ▣ Export more than installed capacity

Chemical and Petrochemical Statistics at a Glance - 2018



Features to Focus

- Total output is valued at Rs.39,873 crores (2014-15) and Rs.44,970 crores (2015-16)
- Pesticide growth rate variation 8.52 (2011-12), 15.41 (2013-14), 0.57 (2015-16) and -0.48 (2017-18)
- Data on 43 important pesticides only (> 60 technical grade manufactured in India)
- Only 17/27 pesticides data is available – average CAGR -0.67, 88.32 capacity utilisation (2012-13 to 2017-18)
- There is no data on 10/27 pesticides

11 / 27 – most common residues

Annexure-XIII

List of Pesticides Commonly Used/Misused/Detected on Various Commodities

Organochlorines	Organophosphates	Synthetic Pyrethroids	Carbamates & others
α-HCH	Chlorpyrifos	α-Cypermethrin	Carbaryl
β-HCH	Acephate	Bifenthrin	Carbofuran
γ-HCH	Dichlorvos	Deltamethrin	3-hydroxy carbofuran
δ – HCH	Dimethoate	Fenpropathrin	Imidacloprid
Endosulfan-I	Omethoate	Fenvalerate	Thiodicarb
Endosulfan-II	Ethion	λ-Cyhalothrin	Thiacloprid
Endosulfan sulphate	Malathion	Fluvalinate	Carbosulfan
Dicofol	Malaoxon		Imidacloprid
p,p'-DDE	Methamidophos		Thiamethaxam
p,p'-DDD	Monocrotophos		Acetamiprid
p,p'-DDT	Parathion-methyl		Spinosad
	Phorate		Flubendiamide
	Phorate sulphoxide		Indoxacarb
	Phorate sulfone		Emamectin benzoate
	Phosphamidon		Chlorantraniliprole
	Quinalphos		Cartap hydrochloride
	Triazophos		Methomyl
	Profenophos		Abamectin
	4-bromo-2-chlorophenol		
	Chlorpyrifos-methyl		

Counter arguments 1

- With export orientation, Indian farmer is a curry leaf in the argument.
- Cost to farmer would go up
 - ▣ From Rs.150-300 to Rs.450-700 per acre (industry claim)
 - ▣ Farmers usually go for mixing/ cocktail
 - ▣ A 2015-16 Study in Maharashtra shows

A.	Acephate	272-401
B.	Monocrotophos	228-418
C.	Imidacloprid	303-460
	A+B+C	760
	A+B	347
	B+C	594

Counter arguments 2

- Turnover loss
 - ▣ Wide variation in claims
 - ▣ Nothing Adds up

FICCI 2015	Domestic Market	12,800 crores
Ministry	Exports (2017-18)	14,810 crores
Ministry	Output (2015-16)	44,970
PWC	7 pesticides	5245 crores
PWC - Sale loss of Rs.4,000 crore (20 % of domestic market)	Total domestic market	20,000 crores (calculated) 42,000 crores (mentioned)
Corteva	25% of exports	3702 crores (inference)

Regulatory Issues

- 5,800 companies > 1,00,000 registrations
- Easy registrations - Me-too registrations
- Many old molecules (40 registered in 1970, 40 banned, 42 old products, 100 products limited in use) - Many molecules going off patent 2022-24 (PwC)
- Comments were invited on 37 pesticides in 2005
- State-level bans (Maha, TS, Kerala and Punjab)
- **17/27 pesticides are 'deemed to be registered'**

Thank You

□ Email:

nreddy.donthi20@gmail.com

□ Ph. 9010205742